

OCT 12 2005

PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

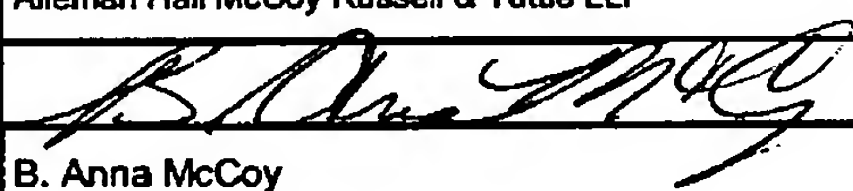
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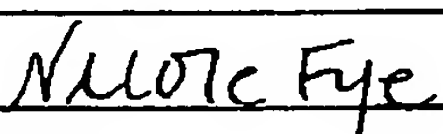
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/644,232	
	Filing Date	August 19, 2003	
	First Named Inventor	Timothy Scott Engle	
	Art Unit	2851	
	Examiner Name	Melissa J. Koval	
Total Number of Pages in This Submission	10	Attorney Docket Number	IFC372

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Form PTO-1449 (5 pp.)
Remarks		

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OCT 13 2005

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Alleman Hall McCoy Russell & Tuttle LLP		
Signature			
Printed name	B. Anna McCoy		
Date	October 12, 2005	Reg. No.	46,077

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Nicole Fye	Date	October 12, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OCT 12 2005

PTO/SB/17 (12-04v2)

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/644,232
		Filing Date	August 19, 2003
		First Named Inventor	Timothy Scott Engle
		Examiner Name	Melissa J. Koval
		Art Unit	2851
TOTAL AMOUNT OF PAYMENT (\$) 180.00		Attorney Docket No.	IFC372

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 503397 Deposit Account Name: Alleman Hall McCoy ...

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17
 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200	100
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Multiple dependent claims

360	180
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Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	50	= 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	200	= 0

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	


**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): IDS Fee

Fees Paid (\$)

180

<b>SUBMITTED BY</b>		
Signature		Registration No. (Attorney/Agent) 46,077
Name (Print/Type)	B. Anna McCoy	Telephone 503-459-4141
		Date October 12, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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OCT 12 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Paper Date: October 12, 2005

TIMOTHY SCOTT ENGLE et al.

Serial No. : 10/644,232  
Filed : August 19, 2003  
Title : METHOD AND SYSTEM FOR A THERMAL ARCHITECTURE  
AND USER ADJUSTABLE KEYSTONE IN A DISPLAY DEVICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97, 1.98

Sir:

In compliance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97, and 1.98, the following patents, publications, applications, and/or other information are being submitted and disclosed to the Office, including those listed on the enclosed Form PTO-1449, for consideration by the Examiner.

Applicants respectfully request that the disclosed information be made of record and expressly considered by the Examiner during examination of the pending application. Further, Applicants respectfully request that the disclosed items be listed on the face of any patent issuing from the pending application in the "references cited" column.

In accordance with 37 C.F.R. § 1.97 (g), the present information disclosure statement is not a representation that a search has been made.

In accordance with 37 C.F.R. § 1.97 (h), the present information disclosure statement is not an admission that the information cited in the statement is, or is considered to be, material to patentability.

In accordance with MPEP § 609, Applicants respectfully request that if the present application is a continuing application, all information considered by the Office in the parent application be considered in the present application, although it need not be listed on the face of the patent unless resubmitted in this or another information disclosure statement filed in this application.

Finally, the present information disclosure statement is not an admission that the information cited in the statement is, or is considered to be, prior art.

10/13/2005 EAREGAY1 00000044 503397 10644232

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Page 1 of 3 INFORMATION DISCLOSURE STATEMENT  
Serial No. 10/644,232

**BASIS FOR CONSIDERATION BY THE OFFICE UNDER 37 C.F.R. § 1.97**☐ **37 C.F.R. § 1.97(b)**

The present information disclosure statement is being filed, to the best of Applicants' knowledge and belief:

- (1) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53(d); or
- (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; or
- (3) before the mailing of a first Office action on the merits; or
- (4) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

☒ **37 C.F.R. § 1.97(c)**

The present information disclosure statement is being filed, to the best of Applicants' knowledge and belief, before the mailing of any of: a final action under 37 C.F.R. § 1.113, a notice of allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution in the application.

☐ Applicants certify that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

☐ Applicants certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

OR

☐ A check in the amount of \_\_\_\_\_ is enclosed.

☒ Please charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account 503397.

☐ **37 C.F.R. § 1.97(d)**

The present information disclosure statement is being filed, to the best of Applicants' knowledge and belief, on or before payment of the issue fee.

☐ Applicants certify that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

☐ Applicants certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

AND

☐ A check in the amount of \_\_\_\_\_ is enclosed.

☐ Please charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account \_\_\_\_\_.

**CONTENT OF INFORMATION DISCLOSURE STATEMENT 37 C.F.R. § 1.98**

The present information disclosure statement includes any information noted above, along with a Form PTO-1449 (5 pages).

If applicable, a legible copy of the following is being included:

- (1) Each foreign patent or published foreign patent application, along with an English language abstract for all non-English foreign patent documents (identified by country or patent office, an appropriate document number, and the publication date).
- (2) Each publication (identified by published, author (if any), title, relevant pages of the publication, date, and place of publication).

If there are any questions regarding this submission, please contact the undersigned.

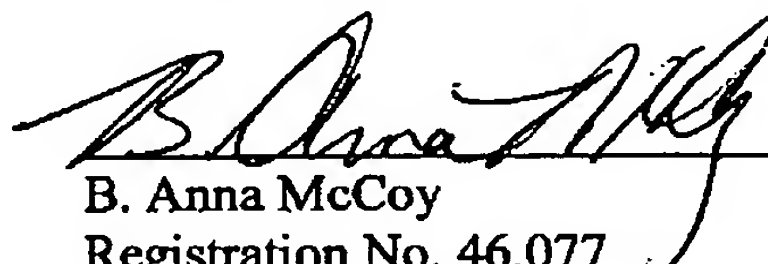
Respectfully submitted,

**CERTIFICATE OF FAX TRANSMISSION**

I hereby certify that this correspondence is being deposited with the U.S. Patent and Trademark Office via facsimile at 571-273-8300 on October 12, 2005.

  
Nicole Fye

ALLEMAN HALL MCCOY  
RUSSELL & TUTTLE LLP

  
B. Anna McCoy  
Registration No. 46,077  
Customer No. 50488  
Attorney for Applicant  
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Portland, Oregon 97205  
Telephone: (503) 459-4141  
Facsimile: (503) 459-4142



SHEET 1 OF 5

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER IFC372		APPLICATION NUMBER 10/644,232		
		APPLICANT(S) Timothy Scott Engle				
		FILING DATE August 19, 2003		GROUP ART UNIT 2851		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	3485165	12/23/1969	Hughes			
	3712707	1/23/1973	Henkes Jr.			
	4730897	3/15/1988	McKechnie et al.			
	4773731	9/27/1988	Goldenberg et al.			
	4921330	5/1/1990	Takahashi et al.			
	4927248	5/22/1990	Sakakibara et al.			
	4979801	12/25/1990	Park			
	RE33795	1/14/1992	Ogino			
	5442484	8/15/1995	Shikawa			
	5818639	10/6/1998	Furuya			
	6048707	4/11/2000	Klock Jr.			
	6052226	4/18/2000	Takahashi			
	6144503	11/7/2000	Sugano			
	6188523	2/13/2001	Choi			
	6307675	10/23/2001	Abe et al.			
	6348993	2/19/2002	Hori			
	6400504	6/4/2002	Miyata			
	6407859	6/18/2002	Hennen et al.			
	6416181	7/9/2002	Kessler et al.			
EXAMINER			DATE CONSIDERED			

SHEET 2 OF 5

FORM PTO-1449		DOCKET NUMBER IFC372		APPLICATION NUMBER 10/644,232		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S) Timothy Scott Engle				
		FILING DATE August 19, 2003		GROUP ART UNIT 2851		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5302983	4/12/1994	Sato et al.			
	5422691	6/6/1995	Ninomiya et al.			
	5442413	8/15/1995	Tejima et al.			
	5489940	2/6/1996	Richardson et al.			
	5495306	2/27/1996	Shibazaki			
	5710668	1/20/1998	Gohman et al.			
	5716118	2/10/1998	Sato et al.			
	5724195	3/3/1998	Enomoto et al.			
	5760973	6/2/1998	Kawamura			
	5796528	8/18/1998	Mihara			
	5805359	9/8/1998	Yamanashi			
	5820240	10/13/1998	Ohzawa			
	5870234	2/9/1999	Ebbesmeier nee Schittof			
	5923479	7/13/1999	Nagata			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			

SHEET 3 OF 5

FORM PTO-1449			DOCKET NUMBER IFC372		APPLICATION NUMBER 10/644,232	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			APPLICANT(S) Timothy Scott Engle			
			FILING DATE August 19, 2003		GROUP ART UNIT 2851	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5833339	11/11/1998	Sarayeddine			
	5978051	11/2/1999	Gohman et al.			
	5999332	12/7/1999	Ohno			
	6016229	1/18/2000	Suzuki			
	6018425	1/25/2000	Nakabayashi et al.			
	6038085	3/14/2000	Nakazawa			
	6046859	4/4/2000	Raj			
	6053615	4/25/2000	Peterson et al.			
	6081380	6/27/2000	Ohshima et al.			
	6088172	7/11/2000	Sato			
	6111701	8/29/2000	Brown			
	6123425	9/26/2000	Ohzawa			
	6137638	10/24/2000	Yamagishi et al.			
	6147812	11/14/2000	Narimatsu et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		



SHEET 4 OF 5

FORM PTO-1449		DOCKET NUMBER IFC372		APPLICATION NUMBER 10/644,232			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S) Timothy Scott Engle					
		FILING DATE August 19, 2003		GROUP ART UNIT 2851			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	6201647	3/13/2001	Ohzawa				
	6236511	5/22/2001	Brown				
	6273338	8/14/2001	White				
	6301058	10/9/2001	Nagahara				
	6353509	3/5/2002	Nakazawa				
	6366400	4/2/2002	Ohzawa				
	6384987	5/7/2002	Sensui				
	6406150	6/18/2002	Burstyn				
	6407860	6/18/2002	Funazaki et al.				
	6419365	7/16/2002	Potekev et al.				
	6513935	2/4/2003	Ogawa				
	6561649	5/13/2003	Burstyn				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS							
EXAMINER				DATE CONSIDERED			

SHEET 5 OF 5

FORM PTO-1449		DOCKET NUMBER IFC372		APPLICATION NUMBER 10/644,232		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S) Timothy Scott Engle				
		FILING DATE August 19, 2003		GROUP ART UNIT 2851		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	6417966	7/9/2002	Moshrefzadeh et al.			
	6471359	10/29/2002	Kim et al.			
	6473236	10/29/2002	Tadic-Galeb et al.			
	6485145	11/26/2002	Cotton et al.			
	6493032	12/10/2002	Wallerstein et al.			
	6624952	9/23/2003	Kuwa' et al.			
	6626541	9/30/2003	Sunaga			
	6652104	11/25/2003	Nishida et al.			
	6788460	9/7/2004	Knox et al.			
	6804055	10/12/2004	Peterson et al.			
	6808271	10/26/2004	Kurematsu			
	6813094	11/2/2004	Kaminsky et al.			
	6853493	2/8/2005	Kreitzer			
	2003/0053206	3/20/2003	Takayoshi			
	2004/0227990	11/18/2004	Peterson et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		